

What is claimed is:

52 B7 1. An iris fixated intraocular lens comprising:

5 (a) an optic having an optical axis, an anterior side and a posterior side; and

10 (b) at least two fixation members, each of said fixation members having at least one connecting element and a pincer element, the connecting element being attached to the optic and the pincer element being attached to the connecting element, the pincer element comprising:

15 (i) a side region having a central portion and opposed end portions; and

20 (ii) a first pincer arm and a second pincer arm attached to the side region, both the first pincer arm and the second pincer arm having a first end and a second end, the first ends of the two pincer arms being attached to the side region and the second end of the two pincer arms being unattached and disposed proximate to, but spaced apart from, one another, so as to form a narrow pincer gap.

25 2. The intraocular lens of claim 1 wherein each fixation member has only one connecting element.

3. The intraocular lens of claim 1 wherein each fixation member has only two connecting elements.

30 4. The intraocular lens of claim 3 wherein the pincer arms are disposed between the optic and the central portion of the side region.

35 5. The intraocular lens of claim 1 wherein each connecting element has a widened attachment portion which is disposed in tangential abutment to the optic.

6. The intraocular lens of claim 5 wherein at least one hole is disposed along the tangential abutment between the widened attachment portion of the connecting element and the optic.

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7. The intraocular lens of claim 1 wherein the two fixation members are wholly disposed on opposite sides of the optic.

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8. The intraocular lens of claim 1 wherein the connecting element of the two fixation members is less than about 0.75 mm in length.

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9. The intraocular lens of claim 1 wherein the side regions of both of the two fixation members comprise a first transverse member, the first transverse member of both fixation members being disposed substantially along the same line.

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10. The intraocular lens of claim 9 wherein both of the fixation members also comprise an orthogonal member disposed substantially perpendicular to the first transverse member and a second transverse member attached to the orthogonal member and disposed substantially parallel to the first transverse member.

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11. The intraocular lens of claim 10 wherein the second transverse member comprises an extension portion which extends the second transverse member beyond the pincer arm.

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12. The intraocular lens of claim 11 wherein the pincer arms are disposed between the optic and the central portion of the side region.

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13. The intraocular lens of claim 1 wherein the central portion of the side region is disposed between the optic and the pincer arms.

14. The intraocular lens of claim 1 wherein on each fixation member:

5 (a) the pincer gap has opposed end portions and a central-most portion;

(b) the side region has a first location disposed closer to the optic than the pincer gap, the first location being spaced apart from the central-most portion of the pincer gap by a distance  $x$  which is between about 1.0 mm and about 1.7 mm; and

10 (c) the side region has a second location disposed farther from the optic than the pincer gap, the second location being spaced apart from the central-most portion of the pincer gap by a distance  $y$ , where  $x = y$ .

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15. The intraocular lens of claim 1 wherein:

(a) both fixation members have only one connection member;

20 (b) the side regions of both of the two fixation members comprise a first end portion attached to the one connection member and an unattached second end portion;

(c) each pincer gap has opposed end portions and a central-most portion;

25 (d) each side region has a first location proximate to the second end portion disposed closer to the optic than the pincer gap, the first location being spaced apart from the central-most portion of the pincer gap by a distance  $x$  which is between about 1.0 mm and about 1.7 mm; and

30 (e) each side region has a second location proximate to the second end portion disposed farther from the optic than the pincer gap, the second location being spaced apart from the central-most portion of the pincer gap by a distance  $y$ , where  $x = y$ .

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16. An iris fixated intraocular lens comprising:

(a) an optic having an optical axis, an anterior side and a posterior side; and

(b) at least one fixation member, each of said fixation members having a first connecting element, a second connecting element and a pincer element, the connecting elements being attached to the optic and the pincer element being attached to the connecting elements, the pincer element comprising a first pincer arm connected to the first connecting element and a second pincer arm connecting to the second connecting element, both the first pincer arm and the second pincer arm having a first end and a second end, the first ends of the two pincer arms being attached to respective connecting elements and the second end of the two pincer arms being unattached and disposed proximate to, but spaced apart from, one another, so as to form a narrow pincer gap;

wherein:

(i) the second connecting element has a first location disposed closer to the optic than the pincer gap, the first location being spaced apart from the central-most portion of the pincer gap by a distance  $x$  which is between about 1.0 mm and about 1.7 mm; and

(ii) the second connecting element has a second location disposed farther from the optic than the pincer gap, the second location being spaced apart from the central-most portion of the pincer gap by a distance  $y$ , where  $x = y$ .

17. The intraocular lens of claim 16 wherein the side regions of both of the two fixation members comprise a first transverse member, the first transverse member of both fixation members being disposed substantially along the same line.

18. The intraocular lens of claim 17 wherein both of the fixation members also comprise an orthogonal member disposed substantially perpendicular to the first

transverse member and a second transverse member attached to the orthogonal member and disposed substantially parallel to the first transverse member.

5           19. The intraocular lens of claim 18 wherein the second transverse member comprises an extension portion which extends the second transverse member beyond the pincer arm.

10           20. The intraocular lens of claim 19 wherein the pincer arms are disposed between the optic and the central portion of the side region.

15           21. The intraocular lens of claim 20 wherein the connecting element of the two fixation members is less than about 0.75 mm in length.